# INDOOR COLOR DOME w/ SMART INRARED

#### Color Dome Camera with SMART Infrared

This indoor color dome camera can accept 12VDC or 24VAC. It provides a high quality video image using a Sony© 1/3" CCD video sensor, a 4.3mm aspherical lens, and a DSP chipset with automatic white balance and switch selectable backlight compensation. An internal 3-axis bracket lets you mount the camera in almost any position. SMART infrared control switches IR LEDs on/off in groups (segmented control) in order to guard against too much or too little IR light when working in infrared mode.



Deterrence Strobe LED bright white LED can be set to strobe (warning intruders of the presence of CCTV surveillance) or turned off.

# **General Specifications**

General Specifications
Video Sensor: Sony@ 1/3" SuperHAD Color CCD
DSP (Digital Signal Processing): Yes, built into chipset
Effective Pixels: NTSC 510 x 492
Horizontal Resolution: 420 TV lines
Scanning System: 2:1 Interlace
Light Level Sensitivity: 0.5 LUX / F1.6 (0.0 LUX with IR on)
Video Signal Synchronization: Internal
Video Signal Level: 1Vp-p, 75 Ohm impedance
Signal to Noise Ratio: >48dB
Gamma Correction: 0.45
Auto-White Balance: YES (AWB)
Auto-Backlight Compensation: YES (ABC), switch selectable
Aperture Correction: 2H mode of H.V. aperture correction
Gain Control: Full Auto-Gain Control (AGC)
Electronic Shutter: Auto, 1/60 sec. to 1/100,000 sec.
IR Source: 28 LEDs (850nm wavelength), 65' range (20 meters)
Deterrence LED: White strobe (selectable on/off)
Smart IR: System prevents washout/haze during IR operation by controlling number of LEDs turned on/off. IR level adjustment pot. on board.
Dual Power: 12VDC/24VAC (200mA/550mA max. current draw with IR on), non-polarized input connector
SWITCH SETTINGS
ON SWITCH ON OFF

1 - IR Delay

3 - BLC

2 - LED Strobe

15 seconds

OFF

OFF

5 seconds

ON



Switch - Set LED strobe on or off, set backlight compensation on or off, and set delay for switching to infrared mode when a low light condition is detected (accounts for transient low light or shadow conditions).

IR Light Level - Adjustable pot. sets light level that triggers auto-switch to infrared mode.

## Easy to Aim, Focus, and Adjust

Remove the base (using the tool provided) and easily access the internal brackets/hinges to point and focus the camera and vari-focal lens in any direction you require. This makes it easy to replace the lens should that operation be required.



120° Vertical Camera Angle Adjustment



360° Horizontal Camera Angle Adjustment



90° Lens Angle Adjustment



## **Optical Specifications**

Lens: 4.3mm aspherical (cuts down on focus shift when switching between daylight (color) mode and IR mode (black and white).

### **Environmental Specifications**

Operating Temperature: -10 degrees to +45 degrees (C) 14 degrees to +113 degrees (F)

Storage Temperature: -30 degrees to +60 degrees (C) -22 degrees to +140 degrees (F)

#### **Physical Specifications**

Dimensions: 127mm x 86mm (6.18" x 3.78")

Weight: 450g (15.9oz)

Anti-Tamper: Set screw in case prevents casual tampering

